

**WORK PLAN**  
**FOR**  
**WORK ASSIGNMENT NO. SERAS-277**  
**AMENDMENT 1**  
**WILCOX OIL COMPANY SUPERFUND SITE**  
**December 18, 2015**

**AMENDED WORK PLAN**  
**WILCOX OIL COMPANY SUPERFUND SITE**

**Prepared for**  
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)/**  
**ENVIRONMENTAL RESPONSE TEAM (ERT)**

**Date:** December 18, 2015  
**Contract No:** EP-W-09-031  
**Assignment No.:** SERAS-277.1

**Approval:**

**SERAS Task Leader**



**Date:** 12-17-15


**SERAS Deputy Program Manager**



**Date:** 12-17-2015

**SERAS Program Manager**



**Date:** 12-17-2015  


**Lockheed Martin SERAS**  
**2890 Woodbridge Ave.**  
**Building 209 Annex**  
**Edison, New Jersey 08837**

<b>Work Assignment Number:</b>	<b>SERAS-277.1</b>
<b>Work Assignment Title:</b>	<b>Wilcox Oil Company Superfund Site</b>
<b>Work Assignment Manager:</b>	<b>Tom Kady</b>
<b>Lockheed Martin/SERAS Task Leader:</b>	<b>Jon McBurney</b>
<b>Duration</b>	<b>July 15, 2015 through September 22, 2016</b>
<b>Contract Number</b>	<b>EP-W-09-031</b>
<b>Site ID:</b>	<b>O6GG</b>

## **INTRODUCTION**

**Purpose.** This Amendment will provide additional funding and level of effort (LOE) to enable an extensive mobilization to conduct an additional round of sampling, install boreholes, conduct Rapid Optical Screening Tool (ROST) screening, and perform on-site X-Ray Fluorescence (XRF) screening.

The information collected is intended to be used to provide a screening level conceptual site model (CSM) of the site in advance of a more intense and costly Remedial Investigation (RI). This will be accomplished by utilizing direct sensing and screening tools and technologies which are determined to be applicable to the conditions encountered.

**Background.** No change.

**Assumptions.** No change.

## **TECHNICAL APPROACH**

The WA is divided into ten major tasks:

**Task 1: Administrative Tasks.** No change.

**Task 2: Site Reconnaissance.** No Change.

**Task 3: Scoping Meeting.** No Change.

**Task 4: Clearing and Grubbing.** No Change.

**Task 5: Geophysical Survey.** No Change.

**Task 6: Test Pits.** No Change.

**Task 7: CPT Investigation.** No Change

**Task 8: Geoprobe™ Investigation:** No Change.

**Task 8 Photo documentation:** No Change.

**Task 9: Field and Laboratory Analytical.** Screen soils for pH, metals, polyaromatic hydrocarbons (PAHs) and total petroleum hydrocarbons (TPH). Keep lab work to a minimum where existing data from prior investigations can provide this information. A lump sum has been included in the Task Cost Estimate for this purpose. A field laboratory is not included for this task, rather samples will be sent offsite for laboratory analysis with normal turnaround. Field screening using the field portable Niton XRF will be performed on all sample cores as well as on surface soils at select locations.

**Task 9: Conceptual Site Model.** From the combination of the acquired data from the field activities above and the existing data, a three dimensional (3-D) site model will be created and updated daily. 3-D modeling services will be subcontracted by SERAS. At the conclusion of the field activities, the 3-D model along with all analytical data produced during the field activities will be used to generate a screening level CSM intended to lead to a focused RI Effort and ensuing feasibility study (FS).

**Task 10: Reports.** Field data and results shall be incorporated into a work assignment (WA) Specific SCRIBE database. The SCRIBE project database is a mandatory deliverable.

A Technical Memorandum (TM) will be produced that will include all data generated by this investigation. The TM will include the final geophysical report, visualization of the CPT/ROST results, Geoprobe™ results, XRF results, and a screening level CSM.

All reports and resulting deliverables will be posted on the WA-specific Environmental Response Team (ERT)-Information Management System (IMS) website which will be established by the WAM. Posting of such deliverables to the ERT-IMS Website will constitute delivery to the Work Assignment Manager (WAM) as of the date and time of posting.

**Standard Operating Procedures.** Any procedural standard operating procedures (SOPs) and administrative procedures (APs) relevant to this WA are included in the site-specific UFP-QAPP. The following SERAS Health and Safety SOPs will be used for this WA:

- 3001, *SERAS Health and Safety Program Policy and Implementation*
- 3012, *SERAS Health and Safety Guidelines for Field Activities*
- 3016, *Personal Protective Equipment Program*
- 3020, *Inclement Weather and Temperature Extremes*

**STAFFING PLAN AND SCHEDULE:** Changes are noted below.

Staffing Plan. Changes as noted.

The WA Amendment was received on November 30, 2015. The amended work plan will be completed and submitted within 20 Days. The project will be completed by September 22, 2016.

The following personnel will work on this project:

<u>Personnel</u>	<u>Responsibilities</u>	<u>Level</u>
Environmental Engineer	Sampling/Deliverable Preparation	****
QA/QC Officer	QA/Validation Oversight, Deliverable Review	****
Health & Safety Officer	HASP Review, PPE Selection	****
Statistician	Statistical Evaluation	***
Property Coordinator	Analytical Subcontracting	****
Program Manager	Deliverable Review/Project Oversight	****
Deputy Program Manager	Task Leader	***
Sr. Geophysicist	Lead for Geophysical field work and reporting	****
Environmental Scientist	Field Activities	**
Environmental Technician	Field Activities	#
Clerical	Deliverable Preparation/Archival	#
Business Manager	Cost Estimate Preparation, Financial Oversight	***
AutoCAD/GIS	Figure Preparation	***

Geologist/PG  
Field Chemist

Boring Logs  
Field Screening with XRF

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**Schedule of Activities and Deliverables.** The tentative schedule of activities and deliverables is as follows:

<u>Deliverable ID</u>	<u>Deliverable/Activity</u>	<u>Date</u>
277-007	Work Plan Amendment 1	December 18, 2015
277-008	UFP-QAPP Amendment 1	November 24, 2015
277-009	Health & Safety Plan Amendment 2	November 25, 2015
NA	CPT/Geoprobe Field Investigation	November 30, 2015 (2.5 weeks)

All project deliverable dates are estimated based on the information available at the time of amended WP completion. New information, additional tasks, and events outside SERAS control may result in revisions to these dates.

**Training and Conference, Meeting, Seminar Attendance.** No Change

## **LEVEL OF EFFORT AND COST PROJECTIONS**

The estimated cost (including labor, travel, materials, services, etc.) to complete this project is given in the attached cost summary sheet. While not specifically identified, activities such as photo documentation, computer graphics and support, report preparation and purchasing support may be required to accomplish WA objectives. Labor hours for these activities are included in the attached cost summary.

### **Vendor Services.**

Vendor services will be required to complete the tasks as outlined in this WP. Approximately \$200,000 have been allotted for the procurement of vendor services. These include but are not limited to:

- Subcontract for Cone Penetrometry Services
- Subcontract for Geoprobe Services
- Subcontract for Utility Clearance
- Field services including Trailer, Port-a-Jon, equipment rentals
- Subcontract for 3-D Modeling Services
- AMO Geologist
- Dycon Environmental Scientist

**Travel Assumptions.** WA travel assumptions are as follows:

Number of trips from Edison, NJ to Bristow, Oklahoma:	2
Number of days per trip:	6-18
Number of personnel per trip:	2-6